

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled).

Claim 14 (Currently Amended): An information storage medium configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, said data including control information and video object data, the information storage medium comprising:

a data area configured to store:

~~the video object data, and~~

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size; and
a control information recording area configured to store said control information, the control information being configured to manage the video object data and including an AV file information table having a first ~~table~~ area configured to store object stream information, and a second ~~table~~ area configured to store AV file information configured to manage ~~information of~~ the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, wherein:

~~said video object data is configured to be recorded in at least one of the object units, an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

an error correction code block address ~~being defined in units of the error correction code block~~ corresponds to an ~~integer multiple~~ the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors.

each said object information ~~included in said AV file information~~ includes time map information including time map general information, one or more time entries, and one or more data object unit entries, and

each data object unit entry includes size information of a first reference picture of a corresponding data object unit of the video object data,

wherein the recording/reproducing apparatus employs the control information to manage the video object data.

Claim 15 (Currently Amended): An information recording method for recording information on an information storage medium including:

a data area configured to store:

~~video object data, and~~

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first ~~table~~ area configured to store object stream information, and a second ~~table~~ area configured to store AV file information configured to manage ~~information of~~ the video object data, the AV file information including a plurality of object information, each

~~object information including information of object units of the video object data, and a plurality of object information search pointers associated with the plurality of object information, wherein:~~

~~said video object data is configured to be recorded in at least one of the object units, an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

~~an error correction code block address being defined in units of the error correction code block corresponds to an integer multiple the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,~~

each said object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more data object unit entries, and

each data object unit entry includes size information of a first reference picture of a corresponding data object unit of the video object data,

the information recording method comprising:
recording the video object data into the data area; and
recording the control information, including the plurality of object information, into the control information recording area.

Claim 16 (Currently Amended): An information reproducing method for reproducing information recorded on an information storage medium that includes,
a data area including:

~~video object data, and~~

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first ~~table~~ area including object stream information, and a second ~~table~~ area including AV file information configured to manage ~~information of~~ the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, wherein:

~~said video object data is recorded in at least one of the object units,~~
~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~
~~an error correction code block address being defined in units of the error correction code block corresponds to an integer multiple the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,~~

each said object information ~~included in said AV file information~~ includes time map information including time map general information, one or more time entries, and one or more data object unit entries, and

each data object unit entry includes size information of a first reference picture of a corresponding data object unit of the video object data,

the information reproducing method comprising:

reproducing the video object data from the data area; and

reproducing the control information, including the plurality of object information, from the control information recording area.

Claim 17 (Currently Amended): An information reproducing apparatus for reproducing information recorded on an information storage medium that includes a data area including:

~~video object data, and~~
a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first ~~table~~ area including object stream information, and a second ~~table~~ area including AV file information configured to manage ~~information~~ of the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, wherein:
~~said video object data is recorded in at least one of the object units,~~
~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~
~~an error correction code block address being defined in units of the error correction code block corresponds to an integer multiple the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,~~

each said object information ~~included in said AV file information~~ includes time map information including time map general information, one or more time entries, and one or more data object unit entries, and

each data object unit entry includes size information of a first reference picture of a corresponding data unit object of the video object data,

the information reproducing apparatus comprising:

a first reproducer configured to reproduce the video object data from the data area;
and

a second reproducer ~~configure~~ configured to reproduce the control information, including the plurality of object information, from the control information recording area.

Claim 18 (New). The medium of Claim 14, wherein said video object data is configured to be stored in units of an extent specified by a logical block number corresponding to a sector.